Index to Geophysics, Volume 49, 1984

	Issue	Page
Abriel, W. L., see Brown, A. R.	6	686
Abstracts		
Annual SEG International Meeting (1983) Technical Papers	5	591
Exploration Geophysics	11	2079
	12	2203
Geophysical Prospecting	1	98
	3	319
	5	677
	7	1125
	9	1570
	11	2076
Patents	1	96
	2	207
	3	321
	4	483
	5	679
	6	843
	7	1126
	8	1393
	9	1568
	10	1818
	11	2074
	12	2204
Accommodating lateral velocity changes in Kirchhoff migration by means of Fermat's principle, J. A. Carter and L. N. Frazer	1	46
Accuracy of finite-difference and finite-element modeling of the scalar and elastic wave equations, K. J. Marfurt	5	533
Algorithm for error adjustment of potential field data along a survey network (Short Note), P. K. Mittal	4	467
Analysis of equivalence for the Schlumberger resison deep marine seismic records, An, C. J. Tsai	1	17
Analysis of equivalent for the Schlumberger resistivity methods using the RHO-R and RHO-C curves in the resistivity transform domain, Y. Murakami	10	1749
Anderson, B., see Chew, W. C.	10	1586
Anderson, B., see Chang, S. K.	11	1943
Anderson, W. L., Computation of Green's tensor integrals for three-dimensional electromagnetic problems using fast Hankel transforms	10	1754
Anisotropy and dispersion in periodically layered media, K. Helbig	4	364
Announcements	1	104
	2	214
	3	327
	4	489
	6	847
	7	1135
	8	1405
	9	1577
	10	1825
	11	2085
	12	2211
Annual Meetings		
Abstracts of 1983 papers	5	591
Call for papers for 1984 in Atlanta	1	104
Call for papers for 1985 in Washington, D.C.	12	2211
Application of inverse filtering to gamma-ray logs: A case study (Short Note), Q. Bristow, J. G. Conaway, and P. G. Killeen	8	1369
Approximate calculations of the transient electromagnetic response from buried conductors in a conductive half-space, J. D. McNeill, R. N. Edwards, and G. M. Levy	7	918
Approximation of finite loop sources by two-dimensional line sources, On the (Short Note), M. N. Nabighian and M. L. Oristaglio	7	1027
Arcone, S. A., Field observations of electromagnetic pulse propagation in dielectric slabs	10	1763
Armstrong, B. H., Models for thermoelastic attenuation of waves in heterogeneous solids	7	1032
Array estimators and the use of microseisms for reconnaissance of sedimentary basins, M. W. Asten and J. D. Henstridge	11	1828
Asten, M. W., Array estimators and the use of microseisms for reconnaissance of sedimentary basins	11	1828
Attempt to formulate well-posed questions in gravity: Application of linear inverse techniques to mining exploration, V. Richard, R. Bayer, and M. Cuer	10	1781
Automated interpretation of airborne electromagnetic-data, G. T. DeMoully and A. Becker	8	1301
Automatic fitting of gravity anomalies using two-dimensional models (Short Note), A. Montalvo	3	300
Awasthi, A. K., see Sinvhal, A.	8	1196
Baker, L. J., The effect of the invaded zone on full wave train acoustic logging	6	796

Index to Geophysics, Volume 49, 1984

	Issue	Page
Abriel, W. L., see Brown, A. R.	6	686
Abstracts		
Annual SEG International Meeting (1983) Technical Papers	5	591
Exploration Geophysics	11	2079
	12	2203
Geophysical Prospecting	1	98
	3	319
	5	677
	7	1125
	9	1570
	11	2076
Patents	1	96
	2	207
	3	321
	4	483
	5	679
	6	843
	7	1126
	8	1393
	9	1568
	10	1818
	11	2074
	12	2204
Accommodating lateral velocity changes in Kirchhoff migration by means of Fermat's principle, J. A. Carter and L. N. Frazer	1	46
Accuracy of finite-difference and finite-element modeling of the scalar and elastic wave equations, K. J. Marfurt	5	533
Algorithm for error adjustment of potential field data along a survey network (Short Note), P. K. Mittal	4	467
Analysis of equivalence for the Schlumberger resison deep marine seismic records, An, C. J. Tsai	1	17
Analysis of equivalent for the Schlumberger resistivity methods using the RHO-R and RHO-C curves in the resistivity transform domain, Y. Murakami	10	1749
Anderson, B., see Chew, W. C.	10	1586
Anderson, B., see Chang, S. K.	11	1943
Anderson, W. L., Computation of Green's tensor integrals for three-dimensional electromagnetic problems using fast Hankel transforms	10	1754
Anisotropy and dispersion in periodically layered media, K. Helbig	4	364
Announcements	1	104
	2	214
	3	327
	4	489
	6	847
	7	1135
	8	1405
	9	1577
	10	1825
	11	2085
	12	2211
Annual Meetings		
Abstracts of 1983 papers	5	591
Call for papers for 1984 in Atlanta	1	104
Call for papers for 1985 in Washington, D.C.	12	2211
Application of inverse filtering to gamma-ray logs: A case study (Short Note), Q. Bristow, J. G. Conaway, and P. G. Killeen	8	1369
Approximate calculations of the transient electromagnetic response from buried conductors in a conductive half-space, J. D. McNeill, R. N. Edwards, and G. M. Levy	7	918
Approximation of finite loop sources by two-dimensional line sources, On the (Short Note), M. N. Nabighian and M. L. Oristaglio	7	1027
Arcone, S. A., Field observations of electromagnetic pulse propagation in dielectric slabs	10	1763
Armstrong, B. H., Models for thermoelastic attenuation of waves in heterogeneous solids	7	1032
Array estimators and the use of microseisms for reconnaissance of sedimentary basins, M. W. Asten and J. D. Henstridge	11	1828
Asten, M. W., Array estimators and the use of microseisms for reconnaissance of sedimentary basins	11	1828
Attempt to formulate well-posed questions in gravity: Application of linear inverse techniques to mining exploration, V. Richard, R. Bayer, and M. Cuer	10	1781
Automated interpretation of airborne electromagnetic-data, G. T. DeMoully and A. Becker	8	1301
Automatic fitting of gravity anomalies using two-dimensional models (Short Note), A. Montalvo	3	300
Awasthi, A. K., see Sinvhal, A.	8	1196
Baker, L. J., The effect of the invaded zone on full wave train acoustic logging	6	796

	Issue	Page
Balch, A. H., see Lee, M. W.	1	27
Banik, N.C., Velocity anisotropy of shales and depth estimation in the North Sea basin	9	1411
Barnett, C. T., Simple inversion of time-domain electromagnetic data	7	925
Barone, S., see Chew, W. C.	10	1586
Barongo, J. O. Euler's differential equation and the identification of the magnetic point-pole and point-dipole sources (Short Note)	9	1549
Barrodale, I., Comparison of the ℓ_1 and ℓ_2 norms applied to the one-at-a-time spike extraction from seismic traces (Short Note)	11	2048
Bauer, M. S., see Chapman, D. S.	4	453
Bayer, R., see Richard V.,	10	1781
Baysal, E., A two-way nonreflecting wave equation	2	132
Becker, A., Simplified prediction of transient electromagnetic response	7	913
Becker, A., see DeMoully, G. T.	8	1301
Bée, M., Linear inversion of body wave data — Part III: Model parameterization	12	2088
Behavior of the apparent resistivity phase spectrum in the case of a polarizable prism in an unpolarizable half-space, H. Soininen	9	1534
Berg, M., see Somerstein, S. F.	8	1288
Berkhout, A. J., Multidimensional linearized inversion and seismic migration	11	1881
Berkhout, A. J., see De Vries, D.	12	2132
Berryhill, J. R., Wave-equation datuming before stack (Short Note)	11	2064
Bevis, M., see Won, I. J.	11	2053
Biegler, T., see Klein, J. D.	7	1105
Bisset, D., see Durrani, T. S.	8	1180
Biswell, D. E., A geophone subarray beam-steering process	11	1838
Blair, D. P., Rise times of attenuated seismic pulses detected in both empty and fluid-filled cylindrical boreholes	4	398
Boerner, D. E., Efficient calculation of the electromagnetic fields of an extended source (Short Note)	11	2057
Born inversion with a variable background velocity (Short Note), D. J. Foster, and P. M. Carrion	10	1794
Bourgeois, A., see Lines, L. R.	3	250
Boyd, G. W., The Newmont drill-hole electromagnetic pulse system — Examples from eastern Australia	7	949
Bradley, C., see Mahrer, K. D.	11	2044
Bradley, J. N., see Kirlin, R. L.	11	1861
Bristow, Q., Application of inverse filtering to gamma-ray logs: A case study (Short Note)	8	1369
Brown, A. R., see Gerhardstein, A. C.	4	353
Brown, A. R., Interactive seismic mapping of net producible gas sand in the Gulf of Mexico	6	686
Brown, R. J., Corrections of Millett's table of electromagnetic coupling phase angles (Short Note	9	1554
Brozena, J. M., A preliminary analysis of the NRL airborne gravimetry system	7	1060
Burkhart, K. D., see Brown, A. R.	6	686
Burns, R. A., see Hunter, J. A.	8	1381
Butler, D. K., Interval gravity-gradient determination concepts (Short Note)	6	828
Butler, D. K., Microgravimetric and gravity gradient techniques for detection of subsurface cavities	7	1084
Byun, B. S., The characteristics of reflection traveltimes for some layer models	2	119
Byun, B. S., Seismic parameters for transversely isotropic media	11	1908
Cabrera, J. J., Stable plane-wave decomposition and spherical-wave reconstruction: Applications to converted *S*-mode separation and trace interpolation	11	1915
Calendar of Events	1	103
	2	212
	3	328
	4	490
	5	684
	6	848
	7	1136
	8	1406
	9	1578
	10	1826
	11	2086
	12	2210
Calloway, T. M., see Edrington, T. S.	3	297
Campbell, D. L., see Grauch, V. J. S.	1	75
Carlson, R. L., see Melia, P. J.	4	374
Carlson, R. L., Causes of compressional-wave anisotropy in carbonate-bearing, deep sea sediments	5	525
Carrion, P. M., A method for computation of velocity profiles by inversion of large-offset records	8	1249
Carrion, P. M., see Foster, D. J.	10	1794
Carter, J. A., Accommodating lateral velocity changes in Kirchhoff migration by means of Fermat's principle	1	46
Caruso, L., see Wilkens, R.	11	1850
Case study of stratigraphic interpretation using shear and compressional seismic data, M. D. McCormack, J. A. Dunbar, and W. W. Sharp	5	509
Causes of compressional-wave anisotropy in carbonate-bearing, deep-sea sediments, R. L. Carlson, C. H. Schaftenaar, and R. P. Moore	5	525
Chambers, R. E., see Yilmaz, O.	10	1664
Chan, A. K., see Tsang, L.	10	1596
Chang, D., see Somerstein, S. F.	8	1288
Chang, S. K., Simulation of induction logging by the finite-element method	11	1943
Chapman, D. S., Heat flow in the Uinta basin determined from bottom hole temperature (BHT) data	4	453
Chapman, N. R., see Barrodale, I.	11	2048
Characteristics of reflection traveltimes for some layer models, B. S. Byun	2	119

	Issue	Page
Cheng, C. H., see Tubman, K. M.	7	1051
Cheng, G., The relationship between Born inversion and migration for common-midpoint stacked data	12	2117
Chessman, S. J., see Nabighian, M. N.	8	1313
Chew, W. C., Response of a current loop antenna in an invaded borehole	1	81
Chew, W. C., Diffraction of axisymmetric waves in a borehole by boundary discontinuities	10	1586
Chi, C. Y., A computationally fast approach to maximum-likelihood deconvolution	5	550
Chung, H., see Somerstein, S. F.	8	1288
Claerbout, J. F., see Ottolini, R.	2	195
Claerbout, J. F., see Ottolini R.,	3	327
Claerbout, J. F., see Gonzalez-Serrano, A.	9	1432
Claerbout, J. F., see Harlan, W. S.	11	1869
Clarke, J., see Goubau, W. M.	4	433
Clay, C. S., see Doll, W. E.	7	895
Clayton, B. R., see Jones, E. J. W.	10	1605
COCORP: Utah area, Part I; and Mojave, California area (Report), S. Kaufman	7	1120
COCORP: Utah area, Part II: Death Valley area, California; and Coalinga area, California (Report), S. Kaufman	12	2198
Coen, S., see Cheng, G.		
Coggon, J. H., New three-point formulas for inductive coupling removal in induced polarization (Short Note)	3	307
Cohen, J. K., see Hagin, F. G.	2	112
Comparison of common-midpoint, single-shot, and plane-wave depth migration, P. Temme	11	1896
Comparison of gravity prediction methods on actual and simulated data, F. F. Morrison and B. C. Douglas	10	1774
Comparison of *P*- and *S*-wave seismic data: A new method for detecting gas reservoirs, R. A. Ensley	9	1420
Comparison of the ℓ_1 and ℓ_2 norms applied to the one-at-a-time spike extraction from seismic traces (Short Note), I. Barrodale, C. A. Zala, and N. R. Chapman	11	2048
Complex seismic trace analysis of thin beds, J. D. Robertson and H. H. Nogami	4	344
Computationally fast approach to maximum-likelihood deconvolution, A, C. Y. Chi, J. M. Mendel, and D. Hampson	5	550
Computation of Green's tensor integrals for three-dimensional electromagnetic problems using fast Hankel transforms, W. L. Anderson	10	1754
Conaway, J. G., see Bristow, Q.	8	1369
Continuation of potential fields between arbitrary surfaces, R. O. Hansen and Y. Miyazaki	6	787
Contributors to This Issue	1	100
	2	210
	3	325
	4	487
	5	680
	6	845
	7	1130
	8	1400
Contributors (continued)	9	1576
	10	1821
	11	2081
	12	2207
Cook, K. L., see Serpa, L. F.	8	1327
Corrections to Millett's table of electromagnetic coupling phase angles (Short Note), R. J. Brown	9	1554
Correlations of radon and carbon isotopic measurements with petroleum and natural gas at Cement, Oklahoma, R. L. Fleischer and L. G. Turner	6	810
Covey, J. D., see Lines, L. R.	3	250
Critique of seismic deconvolution methods, A, A. Jurkevics and R. Wiggins	12	2109
Cross-hole magnetometric resistivity (MMR), M. N. Nabighian, G. L. Oppliger, R. N. Edwards, B. B. H. Lo, and S. J. Chessman	8	1313
Cross-hole seismic surveys: Applications for studying subsurface fracture systems at a hot dry rock geothermal site, M. Fehler and C. Pearson	1	37
Crustal structure of the continental shelf off Northwest Britain from two-ship seismic experiments, E. J. W. Jones, R. S. White, V. J. Hughes, D. H. Matthews, and B. R. Clayton	10	1605
Cuer, M., see Richard, V.	10	1781
Dablain, M. A., The role and application of entropy terms for acoustic wave modeling by the finite-difference method	9	1457
Dai, T. F., see Kuo, J. T.	8	1223
Daily, W., Underground oil-shale retort monitoring using geotomography	10	1701
Darr, K. M., see Fulton, T. K.	8	1140
Das, U. C., A single digital linear filter for computations in electrical methods — A unifying approach (Short Note)	7	1115
Daw, T. B., see Raffalovich, F. D.	6	715
DeCarle, R., see Becker, A.	7	913
Demin, V. M., see Sobolev, G. A.	12	2178
DeMoully, G. T., Automated interpretation of airborne electromagnetic data	8	1301
De Vries, D., Velocity analysis based on minimum entropy	12	2132
Dewey, L. A., see Kirlin, R. L.	11	1861
Diffraction of axisymmetric waves in a borehole by bed boundary discontinuities, W. C. Chew, S. Barone, B. Anderson, and C. Hennessy	10	1586
Diffusion of electromagnetic fields into a two-dimensional earth: A finite-difference approach, M. L. Oristaglio and G. W. Hohmann	7	870
Dip-moveout by Fourier transform, D. Hale	6	741
Discussions		
On: "Acoustic reciprocity — A paradox", E. Eisner (August 1983) by F. A. Dahlen and R. I. Odom with reply by author	4	478
On: "Airborne gravity is here!", S. I. Hammer (February 1983) by N. C. Steenland with reply by author	3	310

	Issue	Page
On: "Airborne gravity is here!", S. Hammer (February 1983) by W. C. Pearson with reply by author	4	473
On: "Airborne gravity is here!", S. Hammer (February 1983) by A. T. Herring with reply by author	4	470
On: "Analysis of error due to presence of gaps in the measurement of rock samples in a coaxial line", F. S. C. Huang and L. C. Shen (February 1983) by Ramesh P. Singh with reply by authors	1	92
On: "Automated identification of rock boundaries: An application of the Walsh transform to geophysical well-log analysis," E. N. Lanning and D. M. Johnson (February 1983), D. S. K. Chan	10	1801
On: "Comparison of apparent resistivity functions for transient electromagnetic methods, A. P. Raiche (June 1983), by J. C. Macnae and Y. Lamontagne with reply by author	3	312
On: "Dip limitations on migrated sections as a function of line length and recording time," H. B. Lynn and S. Deregowski (October 1981) by S. A. Levin	10	1804
On: "Does draping aeromagnetic data reduce terrain-induced effects?" V. J. S. Grauch and D. L. Campbell (January 1984) by R. O. Hansen with reply by authors	11	2070
On: "Does draping aeromagnetic data reduce terrain-induced effects?", V. J. S. Grauch and D. L. Campbell (January 1984) by M. S. Reford with reply by authors	12	2193
On: Effect of surface polarization on resistivity modeling," D. Guptasarma (January 1983) by K. Duckworth with reply by author	3	314
On: "Effect of surface polarization on resistivity modeling," D. Guptasarma (January 1983), by A. Apparao with reply by author	10	1808
On: "Geothermal prospecting with Shallo-Temp surveys," L. A. LeSchack and J. E. Lewis (July 1983), by T. H. Larson and P. C. Heigold with reply by author	10	1803
On: "Higher order autospectra by maximum entropy method", R. O. Plaisted and H. G. Peña (October 1983) by T. Matsuoka and T. J. Ulrych	12	2196
On: "Homomorphic deconvolution", D. J. Jin and J. R. Rogers (June 1983), by Mark Lane and Tad Ulrych with reply by D. J. Jin	9	1559
On: "Ionospheric induced very low frequency electric wavetilt changes," D. V. Thiel and I. J. Chant (January 1982), by J. R. Wait with replies by D. Rankin and R. P. Singh and the authors	8	1388
On: "Magnetic anomalies of two-dimensional bodies in a magnetic half-space", E. E. S. Sampaio (August 1982) by L. Eskola with reply by author	10	1800
On: "Microwave properties of saturated reservoirs," J. N. Lange (March 1983), by J. Korringa and R. J. S. Brown with reply by author	2	201
On: "Mineral discrimination and removal of inductive coupling with multifrequency IP", W. H. Pelton, S. H. Ward, P. G. Hallof, W. R. Sill, and P. H. Nelson (March 1978) by H. Soininen with reply by W. H. Pelton	9	1556
On: "The normal vertical gradient of gravity," J. H. Karl (July 1983), by C. J. Swain with reply by author	9	1562
On: "Numerical integration of related Hankel transforms by quadrature and continued fraction expansion", A. D. Chave (December 1983) by W. L. Anderson with reply by author	10	1811
On: "Reflection and transmission of plane compressional waves", R. D. Tooley, T. W. Spencer, and H. F. Sagori (August 1965) by L. R. Denham and R. A. R. Palmeira	12	2195
On: "Reflection of spherical seismic waves in elastic layered media," P. M. Krail and H. Brysk (June 1983) by S. H. Danbom and S. N. Domenico with reply by authors	5	588
On: "The signature of an air gun array: Computation from near-field measurements including interactions — Practical considerations," G. E. Parkes, A. Ziolkowski, L. Hatton, and T. Haugland (February 1984) by M. H. Safar with reply by authors	11	2067
On: "Simulating true amplitude reflections by stacking shot records," P. Hubral (March 1984) by Th. Krey with reply by author	10	1806
On: "Wave propagation and sampling theory," J. Morlet, G. Arens, E. Fourgeau, and D. Giard (February 1982), by J. D. Laski with reply by J. Morlet	9	1563
On "Werner deconvolution for automated magnetic interpretations and its refinement using Marquardt's inverse modeling, C. C. Ku and J. A. Sharp (June 1983) by V. Babu Rao with reply by authors	7	1119
Does draping aeromagnetic data reduce terrain-induced effects?, V. J. S. Grauch and D. L. Campbell	1	75
Discussions on	11	2070
	12	2193
Doll, W. E., Enhancement of transient electromagnetic soundings: A metallic model study	7	895
Domenico, S. N., Rock lithology and porosity determination from shear and compressional wave velocity	8	1188
Donovan, T. J., Low-altitude aeromagnetic reconnaissance for petroleum in the Arctic National Wildlife Refuge, Alaska	8	1338
Dorn, G. A., Radiation patterns of torsionally vibrating seismic sources	8	1213

	Issue	Page
Douglas, B. C., see Morrison, F. F.	10	1774
Drahos, D., Electrical modeling of the inhomogeneous invaded zone	10	1580
Dunbar, J. A., see McCormack, M. D.	5	509
Durrani, T. S., The Radon transform and its properties	8	1180
Dutta, S., see Majumdar, R. K.	3	291
Dyck, A. V., The role of simple computer models in interpretations of wide-band drill-hole electromagnetic surveys in mineral exploration	7	957
Eaton, P. A., The influence of a conductive host on two-dimensional borehole transient electromagnetic responses	7	861
Editorials		
	4	329
	5	491
Delivery of GEOPHYSICS	6	685
Messages for Authors	7	1137
Guest Editorial, Gary R. Olhoeft	12	2087
Edrington, T. S., Sound speed and attenuation measurements in gassy sediments in the Gulf of Mexico	3	297
Edwards, R. N., Offshore electrical exploration of sedimentary basins: The effects of anisotropy in horizontally isotropic layered media	5	566
Edwards, R. N., see McNeill, J. D.	7	918
Edwards, R. N., see Nabighian, M. N.	8	1313
Effect of binning on data from a feathered streamer (Short Note), F. K. Levin	8	1386
Effect of random timing errors on velocity estimates derived from normal moveout estimates (Short Note), J. A. Powell	8	1361
Effects of pipelines on spectral induced-polarization surveys, J. O. Parra	11	1979
Effect of the invaded zone on full wave train acoustic logging, L. J. Baker	6	796
Effect of velocity variations on the beamwidth of a seismic wave, G. R. Sutton	10	1649
Effect of well casings on surface electrical surveys, J. S. Holladay and G. F. West	2	177
Efficient calculation of the electromagnetic fields of an extended source (Short Note), D. E. Boerner and G. F. West	11	2057
Eggers, D. E., An evaluation of the marine magnetic gradiometer	6	771
Electrical modeling of the inhomogeneous invaded zone, D. Drahos	10	1580
Electromagnetic modeling of three-dimensional bodies in layered earths using integral equations, P. E. Wannamaker, G. W. Hohmann, and W. A. SanFilipo	1	60
Electromagnetic response to a discretely grounded circuit (Short Note), J. R. Wait	5	577
Eliason, P. T., see Donovan, T. J.	8	1338
Enhancement of transient electromagnetic soundings: A metallic model study, W. E. Doll, T. V. Skibicky, and C. S. Clay	7	895
Ensley, R. A., Comparison of *P*- and *S*-wave seismic data: A new method for detecting gas reservoirs	9	1420
Errata to:		
"Computer simulation of low-frequency electromagnetic data acquisition," W. A. San Filipo and G. W. Hohmann (September 1983)	9	1575
"Interactive seismic mapping of net producible gas sand in the Gulf of Mexico," A. R. Brown, R. M. Wright, K. D. Burkhart, and W. L. Abriel (June 1984)	7	1121
"New three-point formulas for inductive coupling removal in induced polarization," J. H. Coggon (March 1984)	8	1395
"Refinements to the linear velocity inversion theory," Frank Hagin and Jack C. Cohen (February 1984)	6	847
"Rock lithology and porosity determination from shear and compressional wave velocity," S. N. Domenico (August 1984)	11	2078
"Seismic velocities in transversely isotropic media," Franklyn K. Levin (May 1979)	5	682
Estimation of static corrections for shear-wave profiling using the dispersion properties of Love waves, J. L. Mari	8	1169
Euler's differential equation and the identification of the magnetic point-pole and point-dipole sources (Short Note), J. O. Barongo	9	1549
Evaluation of an observational method for estimation of remanent magnetization, C. C. Schnetzler and P. T. Taylor	3	282
Evaluation of the marine magnetic gradiometer, An, D. E. Eggers and D. T. Thompson	6	771
Examination of the exponential decay method of mixed phase wavelet estimation, An, G. D. Lazear	12	2094
Experimental test of *P*-wave anisotropy in stratified media, An, P. J. Melia and R. L. Carlson	4	374
Extremal bias coupling in magnetotellurics, L. B. Pedersen and M. Svennekjaer	11	1968
Fehler, M., Cross-hole seismic surveys: Applications for studying subsurface fracture systems at a hot dry rock geothermal site	1	37
Fenati, D., Seismic reciprocity field tests from the Italian peninsula	10	1690
Field observations of electromagnetic pulse propagation in dielectric slabs, S. A. Arcone	10	1763
Fitterman, D. V., Thermoelectrical self-potential anomalies and their relationship to the solid angle subtended by the source region	2	165
Fleischer, R. L., Correlations of radon and carbon isotopic measurements with petroleum and natural gas at Cement, Oklahoma	6	810

	Issue	Page
Fleischer, R. L., Geophysical and geochemical anomaly in northeastern New York (Short Note)	6	818
Forsyth, D. W., see Prince, R. A.	7	1070
Foster, D. J., Born inversion with a variable background velocity (Short Note)	10	1794
Frazer, L. N., see Carter, J. A.	1	46
Frischknecht, F. C., Time-domain electromagnetic soundings at the Nevada test site, Nevada	7	981
Fullagar, P. K., Inversion of horizontal loop electromagnetic frequency soundings	2	150
Fulton, T. K., Offset panel	8	1140
Gagne, R. M., see Hunter, J. A.	8	1381
Gardner, G. H. F., see Kotcher, J. S.	1	1
Garg, N. R., Synthetic electric sounding surveys over known oil fields	11	1959
Gazdag, J., Migration of seismic data by phase shift plus interpolation	2	124
Geophone ground coupling, C. E. Krohn	6	722
Geophone subarray beam-steering process, A, D. E. Biswell, L. F. Konty, and A. L. Liaw	11	1838
Geophysical and geochemical anomaly in northeastern New York (Short Note), R. L. Fleischer and L. G. Turner	6	818
Gerhardstein, A. C., Interactive interpretation of seismic data	4	353
Gianzero, S., see Tsang, L.	10	1596
Gibson, B., Predictive deconvolution and the zero-phase source	4	379
Gjøystdal, H., Traveltime and wavefront curvature calculations in three-dimensional inhomogeneous layered media with curved interfaces	9	1466
Gomez-Trevino, E., see Edwards, R. N.	5	566
González-Serrano, A., Wave equation velocity analysis	9	1432
González-Serrano, A., Ray equations in retarded Snell midpoint coordinates	12	2100
Good, R. L., see Hunter, J. A.	8	1381
Goodacre, A. K., see Paul, M. K.	7	1097
Goolsbee, D. V., see Tatham, R. H.	5	493
Goubau, W. M., Noise correlation lengths in remote reference magnetotellurics	4	433
Grain shape effects on dielectric and electrical properties of rocks (Short Note), P. N. Sen	5	586
Grauch, V. J. S., Does draping aeromagnetic data reduce terrain-induced effects?	1	75
Gravity and magnetic inversion with minimization of a specific functional, A. Guillen and V. Menichetti	8	1354
Gravity profile and its role in positioning the edge of a two-dimensional faulted structure having an arbitrary vertical variation of density, M. K. Paul and A. K. Goodacre	7	1097
Gray, S. H., The relationship between "direct, discrete" and "iterative, continuous" one-dimensional inverse methods	1	54
Gray, S. H., see Hagin, F. G	6	758
Guillen, A., Gravity and magnetic inversion with minimization of a specific functional	8	1354
Gupta, O. P., see Joshi, M. S.	12	2159
Guptasarma, D., Positivity of the coincident loop transient electromagnetic response (Short Note)	2	194
Guptasarma, D., True and apparent spectra of buried polarizable targets	2	171
Hagin, F. G., Refinements to the linear velocity inversion theory	2	112
Hagin, F. G., Traveltime(like) variables and the solution of velocity inverse problems	6	758
Hale, D., Dip-moveout by Fourier transform	6	741
Half-slope and straight-slope methods of basement depth determination (Short Note), D. Atchuta Rao and H. V. Ram Babu	8	1365
Halpenny, J. A method of editing time series observations	5	521
Hampson, D., see Chi, C. Y.	5	550
Hanneson, J. E., The horizontal loop electromagnetic response of a thin plate in a conductive earth: Part I — Computational method	4	411
Hanneson, J. E., The horizontal loop electromagnetic response of a thin plate in a conductive earth: Part II — Computational results and examples	4	421
Hansen, R. O., Continuation of potential fields between arbitrary surfaces	6	787
Hardwick, C. D., Important design considerations for inboard airborne magnetic gradiometers	11	2004
Hardwick, C. D., Nonoriented cesium sensors for airborne magnetometry and gradiometry	11	2024
Harlan, W. S., Signal/noise separation and velocity estimation	11	1869
Harthill, N., see Keller, G. V.	7	993
Hatton, L., see Parkes, G. E.	2	105
Haugland, T., see Parkes, G. E.	2	105
Heat flow in the Uinta basin determined from bottom hole temperature (BHT) data, D. S. Chapman, T. H. Keho, M. S. Bauer, and M. D. Picard	4	453
Helbig, K., Anisotropy and dispersion in periodically layered media	4	364
Hendricks, J. D., see Donovan, T. J.	8	1338
Hennessy, C., see Chew, W. C.	10	1586
Henstridge, J. D., see Asten, M. W.	11	1828
Hidden-layer problem revisited (Short Note), I. J. Won and M. Bevis	11	2053
Hohmann, G. W., see Wannamaker, P. E.	1	60
Hohmann, G. W., see Eaton, P. A.	7	861
Hohmann, G. W., see Oristaglio, M. L.	7	870
Hohmann, G. W., see Wannamaker, P. E.	9	1517
Hohmann, G. W., see Tripp, A. C.	10	1708
Holcombe, H. T., Three-dimensional terrain corrections in resistivity surveys	4	439
Holladay, J. S., Effect of well casings on surface electrical surveys	2	177
Horizontal loop electromagnetic response of a thin plate in a conductive earth: Part I — Computa-		

	Issue	Page
tional method, J. E. Hanneson and G. F. West	4	411
Horizontal loop electromagnetic response of a thin plate in a conductive earth: Part II — Computational results and examples, J. E. Hanneson and G. F. West	4	421
Horne, M. D., see Klein, J. D.	7	1105
Huang, C., see Wright, C.	7	1041
Hubral, P., Simulating true amplitude reflections by stacking shot records (Short Note)	3	303
Hubral, P., see Tygel, M.	9	1495
Huddleston, P. D., see Stewart, R. R.	8	1153
Hughes, V. J., see Jones, E. J. W.	10	1605
Hunter, J. A., Shallow seismic reflection mapping of the overburden-bedrock interface with the engineering seismograph — Some simple techniques (Short Note)	8	1381
Important design considerations for inboard airborne magnetic gradiometers, C. D. Hardwick	11	2004
Inapplicability of pulse train time-domain measurements to spectral induced polarization (Short Note), H. Soininen	6	826
Induced polarization of shaly sands, H. J. Vinegar and M. H Waxman	8	1267
Induced-polarization time-domain equipment and some model studies over thin dikes of finite strike extent, R. K. Majumdar and S. Dutta	3	291
Influence of a conductive host on two-dimensional borehole transient electromagnetic responses, P. A. Eaton and G. W. Hohmann	7	861
Influence of pore geometry on the dielectric dispersion of clean sandstones, J. Korringa	10	1760
Influence of salt domes on paleotemperature distributions, J. J. O'Brien and I. Lerche	11	2032
Instructions to Authors	4	330
Revised	9	1407
Interactive interpretation of seismic data, A. C. Gerhardstein and A. R. Brown	4	353
Interactive seismic mapping of net producible gas sand in the Gulf of Mexico, A. R. Brown, R. M. Wright, K. D. Burkhart, and W. L. Abriel	6	686
Erratum to:	7	1121
Interpretive analysis of magnetotelluric data, R. P. Ranganayaki	10	1730
Interval gravity-gradient determination concepts (Short Note), D. K. Butler	6	828
Inverse problem of resistivity sounding, R. L. Parker	12	2143
Inversion of borehole normal resistivity logs, F. W. Yang and S. H. Ward	9	1541
Inversion of horizontal loop electromagnetic frequency soundings, P. K. Fullagar and D. W. Oldenburg	2	150
Inversion of seismic reflection data in the acoustic approximation, A. Tarantola	8	1259
Jacobson, J. J., see Keller, G. V.	7	993
Jacobson, R. S., see Bée, M.	12	2088
Jiracek, G. R., see Holcombe, H. T.	4	439
Johnson, H., see Somerstein, S. F.	8	1288
Johnson, I. M., Spectral induced-polarization parameters as determined through time-domain measurements	11	1993
Jones, E. J. W., Crustal structure of the continental shelf off Northwest Britain from two-ship seismic experiments	10	1605
Joshi, M. S., Scale-model response of a thin vertical conductor below a conductive, inductive, or laterally inhomogeneous overburden layer	12	2159
Jurkevics, A., A critique of seismic deconvolution methods	12	2109
Kan, T. K., see Stewart, R. R.	8	1153
Kaufman, S., COCORP: Utah area, Part I; and Mojave, California area (Report)	7	1120
Kaufman, S., COCORP: Utah area, Part II: Death Valley area, California; and Coalinga area, California (Report)	12	2198
Keho, T. H., see Chapman, D. S.	4	453
Keller, G. V., Megasource time-domain electromagnetic sounding methods	7	993
Keller, G. V., see Garg, N. R.	11	1959
Kendall, C. H. St. C., see Rafavich, F.	10	1622
Khattri, K. N., see Sinvhal, A.	8	1196
Killeen, P. G., see Bristow, Q.	8	1369
Kimball, C. V., Semblance processing of borehole acoustic array data	3	274
Kirchhoff elastic wave migration for the case of noncoincident source and receiver, J. T. Kuo and T. F. Dai	8	1223
Kirchhoff integral extrapolation and migration of nonplanar data, J. W. Wiggins	8	1239
Kirlin, R. L., Optimum seismic velocity estimators	11	1861
Klein, J. D., Mineral interfacial processes in the method of induced polarization	7	1105
Koch, R. H., see Goubau, W. M.	4	433
Konty, L. F., see Biswell, D. E.	11	1838
Korringa, J., The influence of pore geometry on the dielectric dispersion of clean sandstones	10	1760
Kosloff, D. D., see Baysal, E.	2	132
Kotcher, J. S., Modeling the effect of static errors in areal seismic data caused by glacial erosion over carbonate reefs	1	1
Krebes, E. S., On the reflection and transmission of viscoelastic waves — Some numerical results (Short Note)	8	1374
Krohn, C. E., Geophone ground coupling	6	722
Kuo, J. T., Kirchhoff elastic wave migration for the case of noncoincident source and receiver	8	1223
Kuo, J. T., see Carrion, P. M.	8	1249
Lamontagne, Y., see Macnae, J. C.	7	934
Lamontagne, Y., see West, G. F.	7	1010
Larner, K., see Gibson, B.	4	379
Lau, A., see Schultz, P. S.	3	227

	Issue	Page
Laxminarayana, N., see Nagendra R.	11	2019
Lazear, G. D., An examination of the exponential decay method of mixed phase wavelet estimation	12	2094
Lazenby, P. G., see Becker, A.	7	913
Lee, M. W., Radiation from a downhole air gun source	1	27
Lee, T., The transient electromagnetic response of a magnetic or superparamagnetic ground	7	854
Lerche, I., see O'Brien, J. J.	11	2032
Letters to the Editor	5	492
	9	1565
	10	1814
Levin, F., K., The effect of binning on data from a feathered streamer (Short Note)	8	1386
Levin, S. A., principle of reverse-time migration (Short Note)	5	581
Levy, G. M., see McNeill, J. D.	7	918
Levy, S., see Oldenburg, D. W.	10	1653
Levy, S., see Cabrera, J. J.	11	1915
Lewkowicz, J. F., Results from open-hole and cased-hole vertical seismic profiles (Short Note)	12	2186
Liaw, A. L., see Biswell, D. E.	11	1838
Limitations of large-loop transient electromagnetic surveys in conductive terrains, B. R. Spies and P. D. Parker	7	902
Linear inversion of body wave data — Part III: Model parameterization, M. Bée and R. S. Jacobson	12	2088
Lines, L. R., Traveltime inversion of offset vertical seismic profiles — A feasibility study	3	250
Lo, B. B. H., see Nabighian, M. N.	8	1313
Love, P. L., see Simaan, M.	3	215
Low-altitude aeromagnetic reconnaissance for petroleum in the Arctic National Wildlife Refuge, Alaska, T. J. Donovan, J. D. Hendricks, A. A. Roberts, and P. T. Eliason	8	1338
Luyendyk, B. P., On-bottom gravity profile across the East Pacific Rise crest at 21° north	12	2166
Macnae, J. C., Survey design for multicomponent electromagnetic systems	3	265
Macnae, J. C., Noise processing techniques for time-domain electromagnetic systems	7	934
Macnae, J. C., see West, G. F.	7	1010
Magnetic-terrain anomalies from arroyos in an alluvial fan (Short Note), K. D., Mahrer, C. Bradley, and S. Newsom	11	2044
Magnetotelluric responses of three-dimensional bodies in layered earths, P. E., Wannamaker, G. W. Hohmann, and S. H. Ward	9	1517
Mahrer, K. D., Magnetic-terrain anomalies from arroyos in an alluvial fan (Short Note)	11	2044
Majumdar, R. K., Induced polarization time-domain equipment and some model studies over thin dikes of finite strike extent	3	291
Marfurt, K. J., Accuracy of finite-difference and finite-element modeling of the scalar and elastic wave equations	5	533
Mari, J. L., Estimation of static corrections for shear-wave profiling using the dispersion properties of Love waves	8	1169
Marzetta, T. L., see Kimball, C. V.	3	274
Mason, R. W. I., see Sowerbutts, W. T. C.	2	189
Matthews, D. H., see Jones, E. J. W.	10	1605
Maxton, P. M., see Goubau, W. M.	4	433
McCormack, M. D., A case study of stratigraphic interpretation using shear and compressional seismic data	5	509
McDonald, J. A., see Kotcher, J. S.	1	1
McNeill, J. D., Approximate calculations of the transient electromagnetic response from buried conductors in a conductive half-space	7	918
Megasource time-domain electromagnetic sounding methods, G. V. Keller, J. I. Pritchard, J. J. Jacobson, and N. Harthill	7	993
Melia, P. J., An experimental test of *P*-wave anisotropy in stratified media	4	374
Memorials		
Charles W. (Chuck) Hyatt, by Robert E. Sheriff	12	2205
E. V. McCollum, by Frank Searcy	1	102
George H. McLaughlin, by A. A. Brant, M. J. Davidson, M. N. Nabighian, and S. H. Ward	7	1127
Josephus O. Parr, Jr.	8	1398
Paul Jackson Rudolph, by Weldon L. Crawford	7	1128
Banis James Sorrells, by W. Jarrott Harkey	10	1820
James E. Woodburn, by William J. Masterson	8	1399
Edward Zagst, by A. A. Hunzicker	7	1129
Mendel, J. M., see Chi, C. Y.	5	550
Mendel, J. M., Simultaneous correction for divergence and deconvolution without changing industrial practice (Short Note)	5	584
Menichetti, V., see Guillen, A.	8	1354
Messfin, D., Seismic approaches for structural studies of the Sudbury basin	10	1675
Method for computation of velocity profiles by inversion of large-offset records, P. M. Carrion and J. T. Kuo	8	1249
Method of determining a preferred *P*-wave velocity profile in a borehole using surface explosions, C. Wright and C. Huang	7	1041
Method of editing time series observations, A, J. Halpenny	5	521
Microcomputer based system for small-scale geophysical surveys, A (Short Note), W. T. C. Sowerbutts and R. W. I. Mason	2	189
Microgravimetric and gravity gradient techniques for detection of subsurface cavities, D. K. Butler	7	1084
Middleton, M. F., Seismic geohistory analysis — A case history from the Canning Basin, Western Australia	3	333
Migration of common midpoint slant stacks, R. Ottolini and J. F. Claerbout	3	237
Migration of seismic data by phase shift plus interpolation, J. Gazdag, and P. Sguazzero	2	124

	Issue	Page
Migration velocity analysis by wave-field extrapolation, O. Yilmaz and R. E. Chambers	10	1664
Mineral interfacial processes in the method of induced polarization, J. D. Klein, T. Biegler, and M. D. Horne	7	1105
Mittal, P. K., Algorithm for error adjustment of potential field data along a survey network (Short Note)	4	467
Miyazaki, Y., see Hansen, R. O.	6	787
Modeling of well casing for resistivity and induced polarization, On, (Short Note), J. R. Wait	11	2061
Modeling the effect of static errors in areal seismic data caused by glacial erosion over carbonate reefs, J. S. Kotcher, G. H. F. Gardner, and J. A. McDonald	1	1
Models for thermoelastic attenuation of waves in heterogeneous solids, B. H. Armstrong	7	1032
Modified algorithm for the autoregressive recovery of the acoustic impedance, On a (Short Note), T. J. Ulrych and C. Walker	12	2190
Montalvo, A., Automatic fitting of gravity anomalies using two-dimensional models (Short Note)	3	300
Moon, W., see Messfin, D.	10	1675
Moore, R. P., see Carlson, R. L.	5	525
Morrison, F. F., A comparison of gravity prediction methods on actual and simulated data	10	1774
Mosource — A novel simple seismic source (Short Note), M. H. Safar	10	1798
Multidimensional linearized inversion and seismic migration, A. J. Berkhout	11	1881
Murakami, Y., Analysis of equivalence for the Schlumberger resistivity methods using the RHO-R and RHO-C curves in the resistivity transform domain	10	1749
Nabighian, M. N., Toward a three-dimensional automatic interpretation of potential field data via generalized Hilbert transforms	6	780
Nabighian, M. N., Editor of Special Issue: Time-domain electromagnetic methods of exploration. Foreword and Introduction	7	849
Nabighian, M. N., On the approximation of finite loop sources by two-dimensional line sources (Short Note)	7	1027
Nabighian, M. N., Cross-hole magnetometric resistivity (MMR)	8	1313
Nabighian, M., see Tarlowski, C. Z.	9	1506
Nagendra, R., The principle of complex frequency scaling — Applicability in inclined continuation of potential fields	11	2019
Narod, B. B., see Sobolev, G. A.	12	2178
Negi, J. G., see Joshi, M. S.	12	2159
Newmont drill-hole electromagnetic pulse system — Examples from eastern Australia, G. W. Boyd and C. J. Wiles	7	949
New Publications Received	2	206
	3	318
	4	484
	6	844
New Publications (continued)	7	1124
	8	1392
	10	1825
	12	2202
Newsom, S., see Mahrer, K. D.	11	2044
New three-point formulas for inductive coupling removal in induced polarization (Short Note), J. H. Coggon	3	307
Errata to	8	1395
Nobes, D. C., see Edwards, R. N.	5	566
Nogami, H. H., see Robertson, J. D.	4	344
Noise correlation lengths in remote reference magnetotellurics, W. M. Goubau, P. M. Maxton, R. H. Koch, and J. Clarke	4	433
Noise processing techniques for time-domain electromagnetic systems, J. C. Macnae, Y. Lamontagne, and G. F. West	7	934
Nominees for 1984-85 officers	4	489
Non-oriented cesium sensors for airborne magnetometry and gradiometry, C. D. Hardwick	11	2024
O'Brien, J. J., The influence of salt domes on paleotemperature distributions	11	2032
Offset panel, T. K. Fulton and K. M. Darr	8	1140
Offshore electrical exploration of sedimentary basins: The effects of anisotropy in horizontally isotropic layered media, R. N. Edwards, D. C. Nobes, and E. Gomez-Trevino	5	566
Oldenburg, D. W., see Fullagar, P. K.	2	150
Oldenburg, D. W., Root-mean-square velocities and recovery of the acoustic impedance	10	1653
On-bottom gravity profile across the East Pacific Rise crest at 21° north, B. P. Luyendyk	12	2166
On-line movies of reflection seismic data with description of a movie machine (Short Note), R. Ottolini, C. Sword, and J. F. Claerbout	2	195
Oppliger, G. L., see Nabighian, M. N	8	1313
Oppliger, G. L., Three-dimensional terrain corrections for mise-a-la-masse and magnetometric resistivity surveys	10	1718
Optimum seismic velocity estimators, R. L. Kirlin, L. A. Dewey, and J. N. Bradley	11	1861
Optimum suppression of coherent signals with linear moveout in seismic data, M. Simaan and P. L. Love	3	215
Oristaglio, M. L., Diffusion of electromagnetic fields into a two-dimensional earth: A finite-difference approach	7	870
Oristaglio, M. L., see Nabighian, M. N.	7	1027
Ostrander, W. J., Plane-wave reflection coefficients for gas sands at nonnormal angles of incidence	10	1637
Ottolini, R., On-line movies of reflection seismic data with description of a movie machine (Short Note)	2	195
Ottolini, R., The migration of common midpoint slant stacks	3	237
Papers from Other Journals	3	323
	4	485

	Issue	Page
Papers from Other Journals (continued)	8	1396
	9	1573
	10	1819
Parker, P. D., see Spies, B. R.	7	902
Parker, R. L., Inverse problem of resistivity sounding	12	2143
Parkes, G. E., The signature of an air gun array: Computation from near-field measurements including interactions — Practical considerations	2	105
Parra, J. O., Effects of pipelines on spectral induced-polarization surveys	11	1979
Parrott, K. R., see Lee, M. W.	1	27
Paul, M. K., The gravity profile and its role in positioning the edge of a two-dimensional faulted structure having an arbitrary vertical variation of density	7	1097
Pearson, C., see Fehler, M.	1	37
Pedersen, L. B., Extremal bias coupling in magnetotellurics	11	1968
Picard, M. D., see Chapman, D. S.	4	453
Pilant, W. L., *S*-wave directivity patterns (Short Note)	6	822
Pizzicara, J., see Somerstein, S. F.	8	1288
Plane-wave reflection coefficients for gas sands at nonnormal angles of incidence, W. J. Ostrander	10	1637
Positivity of the coincident loop transient electromagnetic response (Short Note), D. Guptasarma	2	194
Poststack estimation of three-dimensional crossline statics, P. S. Schultz and A. Lau	3	227
Powell, J. A., On the effect of random timing errors on velocity estimates derived from normal moveout estimates (Short Note)	8	1361
Predictive deconvolution and the zero-phase source, B. Gibson and K. Larner	4	379
Preliminary analysis of the NRL airborne gravimetry system, J. M. Brozena	7	1060
Prince, R. A., A simple objective method for minimizing crossover errors in marine gravity data	7	1070
Principle of complex frequency scaling — Applicability in inclined continuation of potential fields, R. Nagendra and N. Laxminarayana	11	2019
Principle of reverse-time migration (Short Note), S. A. Levin	5	581
Pritchard, J. I., see Keller, G. V.	7	993
Pullan, S. E., see Hunter, J. A.	8	1381
Raab, P. V., see Frischknecht, F. C.	7	981
Radiation from a downhole air gun source, M. W. Lee, A. H. Balch, and K. R. Parrott	1	27
Radiation patterns of torsionally vibrating seismic sources, G. A. Dorn	8	1213
Radio-frequency geotomography for remotely probing the interiors of operating mini- and commercial-sized oil-shale retorts, S. F. Somerstein, M. Berg, D. Chang, H. Chung, H. Johnson, B. Richardson, J. Pizzicara, and W. W. Salisbury	8	1288
Radon transform and its properties, T. S. Durrani and D. Bisset	8	1180
Rafavich, F., The relationship between acoustic properties and the petrographic character of carbonate rocks	10	1622
Raffalovich, F. D., Use of seismic stratigraphy for Minnelusa exploration, northeastern Wyoming	6	715
Raiche, A. P., see Tarlowski, C. Z.	9	1506
Ram Babu, H. V., see Rao, D. Atchuta	8	1365
Ranganayaki, R. P., An interpretive analysis of magnetotelluric data	10	1730
Rao, D. Atchuta, On the half-slope and straight-slope methods of basement depth determination (Short Note)	8	1365
Ratio V_p/V_s as a discriminant of composition for siliceous limestones, R. Wilkens, G. Simmons, and L. Caruso	11	1850
Ray equations in retarded Snell midpoint coordinates, A. González-Serrano and M. J. Yedlin	12	2100
Refinements to the linear velocity inversion theory, F. G. Hagin and J. K. Cohen	2	112
Errata to	6	847
Reflection and transmission of viscoelastic waves — Some numerical results (Short Note), E. S. Krebes)	8	1374
Reinhardsen, J. E., see Gjøystdal, H.	9	1466
Reischman, R., see Lewkowicz, J. F.	12	2186
Relationship between acoustic properties and the petrographic character of carbonate rocks, F. Rafavich, C. H. St. C. Kendall, and T. P. Todd	10	1622
Relationship between Born inversion and migration for common-midpoint stacked data, G. Cheng and S. Coen	12	2117
Relationship between "direct, discrete" and "iterative, continuous" one-dimensional inverse methods, S. H. Gray	1	54

Reports

COCORP: Utah area, Part I; and Mojave, California area, S. Kaufman	7	1120
COCORP: Utah area, Part II; Death Valley area, California; and Coalinga area, California, S. Kaufman	12	2198
1983 SEG Research Workshops, M. Schoenberger	6	833
Response of a current loop antenna in an invaded borehole, W. C. Chew	1	81
Response of a normal resistivity tool in a borehole crossing a bed boundary, G. J. Zhang and L. C. Shen	2	142
Results from open-hole and cased-hole vertical seismic profiles (Short Note), J. F. Lewkowicz, R. Reischman, and J. J. Walsh	12	2186

Reviews

The Advanced Theory of Statistics, Sir Maurice Kendall, Alan Stuart, and J. Keith Ord. Review by William R. Green	3	317
Analyzing Your Logs, v. 1: Fundamentals of Open-Hole Log Interpretation, Jim Brock. Review by Hamilton M. Johnson	12	2201
Application of Impulse Radar to Civil Engi-		

	Issue	Page
neering, Peter F. Ulriksen. Review by William R. Green	8	1390
Continental Basalts and Mantle Xenoliths, C. J. Hawkesworth and M. J. Norry, editors. Review by William R. Green	12	2200
The Continental Crust and Its Mineral Deposits, D. W. Strangway, Editor. Review by William R. Green	1	94
Developments in Geophysical Exploration Methods — 3, A. A. Fitch, Editor. Review by J. A. McDonald	5	676
Developments in Geophysical Exploration Methods — 4, A. A. Fitch, Editor. Review by J. A. McDonald	5	676
Dictionary of the Environment, compiled by Michael Allaby. Review by Hamilton M. Johnson	10	1816
Discrete Fourier Transformation and Its Applications to Power Spectra Estimation, Nezih C. Geckinli and Davras Yavuz. Review by William R. Green	9	1566
The Dynamic Earth. Review by Hamilton M. Johnson	9	1567
Earthfire, Charles Rosenfeld and Robert Cooke. Review by William R. Green	3	317
Earthquake Forecasting and Warning, Tsuneji Rikitake. Review by William R. Green	7	1123
Earth Tides, Proceedings of the Ninth International Symposium on, J. T. Kuo, Editor. Review by Jean-Claude Mareschal	12	2200
Electronic Surveying in Practice, Simo H. Laurila. Review by William R. Green	2	205
Environmental Geology, Ronald W. Tank. Review by Robert S. Carmichael	3	316
Explosive Volcanism: Inception, Evolution and Hazards, Geophysics Study Committee, National Research Council. Review by William R. Green	10	1816
The First Pictorial History of the American Oil and Gas Industry, 1859-1983, Ruth Sheldon Knowles. Review by Hamilton M. Johnson	6	842
Frequency and Transient Soundings, Alexander A. Kaufman and George V. Keller. Review by D. T. Thompson	4	482
Geology for Petroleum Exploration, Drilling and Production, Norman J. Hyne. Review by Hamilton M. Johnson	8	1391
The Geophysics of the Elura Orebody, Cobar, New South Wales, D. W. Emerson, Editor. Review by Ajit K. Sinha	5	675
High-Latitude Space Plasma Physics, Bengt Hultqvist and Tor Hagfors, Editors. Review by William R. Green	6	842
How to Write and Publish a Scientific Paper, 2nd edition, Robert A. Day. Review by Hamilton M. Johnson	5	675
The Indian Ocean, Alan E. M. Nairn and Francis G. Stehle, Editors. Review by Brian M. Abbott	2	204
Introduction to Geomagnetism, W. D. Parkinson. Review by Jean-Claude Mareschal	2	204
Methods in Rock Magnetism and Paleomagnetism: Technics and Instrumentation, David W. Collinson. Review by Hamilton M. Johnson	6	841
Migmatites, Melting and Metamorphism, M. P. Atherton and C. D. Gribble, Editors. Review by William R. Green	12	2200
Mount St. Helens: An Annotated Bibliography, Caroline D. Harnly and David A. Tyckoson. Review by William R. Green	10	1816
Oil Economists' Handbook 1984, Gilbert Jenkins. Review by Hamilton M. Johnson	11	2072
Orogeny, Akiho Miyashiro, Keiiti Aki, and A. M. Celal Sengor. Review by William R. Green	1	94
Palaeomagnetism: Principles and Applications in Geology, Geophysics and Archaeology, D. H. Tarling. Review by Hamilton M. Johnson	10	1815
Le Pendule Explorateur, Yves Rocard. Review by Pierre L. Goupillaud	9	1567
Petroleum Law Guide, 1984, A Guide to Sources for Directors, Managers, Planners and Designers, W. P. Winston. Review by Hamilton M. Johnson	9	1566
Petrophysik, Juergen Schoen. Review by Reinhard K. Frolich	11	2073
The Polarization Method of Seismic Exploration, E. I. Gal'perin. Review by Franklyn K. Levin	7	1122
Precambrian Sulphide Deposits, R. W. Hutchinson, C. D. Spence and J. M. Franklin, Editors. Review by William R. Green	1	95
The Radon Transform and Some of Its Applications, S. R. Deans. Review by G. Beyikin	8	1390
Recent Crustal Movements, 1982. Developments in Geotectonics, P. Vyskocil, A. M. Wassef, and R. Green. Review by Jean-Claude Mareschal	10	1817
Remote Sensing Applications in Marine Science and Technology, Arthur P. Cracknell, Editor. Review by William R. Green	6	841
Regional Trends in the Geology of the Appalachian-Caledonian Hercynian-Mauritanide Orogeny, Paul E. Schenk, Editor. Review by B. M. Abbott	11	2073
The Scientist and Engineer in Court, Michael D. Bradley. Review by Hamilton M. Johnson	7	1124
Seismic Signal Analysis and Discrimination, C. H. Chen, Editor. Review by P. L. Love	3	316
Statistical Methods in Geology, R. F. Cheeney. Review by William R. Green	7	1123
Strategic Planning for Exploration Management, Allen N. Quick and Neal A. Buck. Review by Hamilton M. Johnson	8	1391
Stratigraphic Lexicon of Libya, Syamadas Banerjee. Review by B. M. Abbott	1	95
Structure and Development of the Greenland-Scotland Ridge, New Methods and Concepts, M. Bott, S. Saxov, M. Talwani, and J. Thiede, Editors. Review by B. M. Abbott	4	481

	Issue	Page
Theory of Climate, Advances in Geophysics, v. 25, Barry Saltzman, Editor. Review by William R. Green	2	205
Three-Layer Model Curves for Geoelectrical Resistivity Measurements, Erich Mundry and Joachim Homilius. Review by Ajit K. Sinha	4	482
Time Series and Systems Analysis with Applications, S. M. Pandit and S. M. Wu. Review by William R. Green	4	481
Tsunamis: Their Science and Engineering, K. Iida and T. Iwasaki, Editors. Review by William R. Green	12	2201
The Upper Cretaceous-Tertiary Formations of Northern Libya: A Synthesis, M. F. Megerisi and V. D. Mamgain. Review by B. M. Abbott	1	95
USSR/USA, Bering Sea Experiment, K. Ya. Kondrat'ev, editor. Review by William R. Green	11	2072
Vladimir Vernadsky, R. K. Balandin. Review by Hamilton M. Johnson	9	1567
Vertical Seismic Profiling, Part A: Principles. Bob A. Hardage. Review by Paul C. Wuenschel	5	675
Richard, V., An attempt to formulate well-posed questions in gravity: Application of linear inverse techniques to mining exploration	10	1781
Richardson, B., see Somerstein, S. F.	8	1288
Rise times of attenuated seismic pulses detected in both empty and fluid-filled cylindrical boreholes, D. P. Blair	4	398
Roberts, A. A., see Donovan, T. J	8	1338
Robertson, J. D., Complex seismic trace analysis of thin beds	4	344
Rocca, F., see Fenati, D.	10	1690
Rocca, F., see Harlan, W. S.	11	1869
Rock lithology and porosity determination from shear and compressional wave velocity, S. N. Domenico	8	1188
Errata to	11	2078
Role and application of entropy terms for acoustic wave modeling by the finite-difference method, M. A. Dablain	9	1457
Role of simple computer models in interpretations of wide-band drill-hole electromagnetic surveys in mineral exploration, A. V. Dyck and G. F. West	7	957
Root-mean-square velocities and recovery of the acoustic impedance, D. W. Oldenburg, S. Levy, and K. Stinson	10	1653
Safar, M. H., Mosource — A novel simple seismic source (Short Note)	10	1798
Salisbury, W. W., see Somerstein, S. F.	8	1288
Sallas, J. J., Seismic vibrator control and the downgoing *P*-wave	6	732
SanFilipo, W. A., see Wannamaker, P. E.	1	60
Scale-model response of a thin vertical conductor below a conductive, inductive, or laterally inhomogeneous overburden layer, M. S. Joshi, O. P. Gupta, and J. G. Negi	12	2159
Schaftenaar, C. H., see Carlson, R. L.	5	525
Schnetzler, C. C., Evaluation of an observational method for estimation of remanent magnetization	3	282
Schoenberger, M., 1983 SEG Research Workshops (Special Report)	6	833
Schultz, P. S., Poststack estimation of three-dimensional crossline statics	3	227
SEG 1983 Research Workshops (Special Report), M. Schoenberger	6	833
SEG 1985 Annual Meeting Call for Papers	11	2085
SEG Publications	2	213
Seismic approaches for structural studies of the Sudbury basin, D. Messfin and W. Moon	10	1675
Seismic geohistory analysis — A case history from the Canning Basin, Western Australia, M. F. Middleton	4	333
Seismic indicators of stratigraphy, A. Sinvhal, K. N. Khattri, H. Sinvhal, and A. K. Awasthi	8	1196
Seismic parameters for transversely isotropic media, B. S. Byun	11	1908
Seismic reciprocity field tests from the Italian peninsula, D. Fenati and F. Rocca	10	1690
Seismic versus sonic velocities: A vertical seismic profiling study, R. R. Stewart, P. D. Huddleston, and T. K. Kan	8	1153
Seismic vibrator control and the downgoing *P*-wave, J. J. Sallas	6	732
Semblance processing of borehole acoustic array data, C. V. Kimball and T. L. Marzetta	3	274
Sen, P. N., Grain shape effects on dielectric and electrical properties of rocks (Short Note)	5	586
Separation of *S*-wave and *P*-wave reflections offshore western Florida, R. H. Tatham and D. V. Goolsbee	5	493
Serpa, L. F., Simultaneous inversion modeling of gravity and aeromagnetic data applied to a geothermal study in Utah	8	1327
Sguazzero, P., see Gazdag, J.	2	124
Shallow seismic reflection mapping of the overburden-bedrock interface with the engineering seismograph — Some simple techniques (Short Note), J. A. Hunter, S. E. Pullan, R. A. Burns, R. M. Gagne, and R. L. Good	8	1381
Sharp, W. W., see McCormack, M. D.	5	509
Shen, L. C., see Zhang, G. J.	2	142
Sherwood, J. W. C., see Baysal, E.	2	132

Short Notes

	Issue	Page
Algorithm for error adjustment of potential field data along a survey network, P. K. Mittal	4	467
Application of inverse filtering to gamma-ray logs: A case study, Q. Bristow, J. G. Conaway, and P. G. Killeen	8	1369
Approximation of finite loop sources by two-dimensional line sources, M. N. Nabighian and M. L. Oristaglio	7	1027

	Issue	Page
Automatic fitting of gravity anomalies using two-dimensional models, A. Montalvo	3	300
Born inversion with a variable background velocity, D. J. Foster and P. M. Carrion	10	1794
Comparison of the ℓ_1 and ℓ_2 norms applied to the one-at-a-time spike extraction from seismic traces, I. Barrodale, C. A. Zala, and N. R. Chapman	11	2048
Corrections to Millett's table of electromagnetic coupling phase angles, R. J. Brown	9	1554
Efficient calculation of the electromagnetic fields of an extended source, D. E. Boerner and G. F. West	11	2057
Effect of binning on data from a feathered streamer, F. K. Levin	8	1386
Effect of random timing errors on velocity estimates derived from normal moveout estimates, J. A. Powell	8	1361
Electromagnetic response of a discretely grounded circuit, J. R. Wait	5	577
Euler's differential equation and the identification of the magnetic point-pole and point-dipole sources, J. O. Barongo	9	1549
Geophysical and geochemical anomaly in northeastern New York, R. L. Fleischer and L. G. Turner	6	818
Grain shape effects on dielectric and electrical properties of rocks, P. N. Sen	5	586
Half-slope and straight-slope methods of basement depth determination, D. Atchuta Rao and H. V. Ram Babu	8	1365
The hidden-layer problem revisited, I. J. Won and M. Bevis	11	2053
Inapplicability of pulse train time-domain measurements to spectral induced polarization, H. Soininen	6	826
Interval gravity-gradient determination concepts, D. K Butler	6	828
Magnetic-terrain anomalies from arroyos in an alluvial fan, K. D. Mahrer, C. Bradley, and S. Newsom	11	2044
Microcomputer based system for small-scale geophysical surveys, A, W. T. C. Sowerbutts and R. W. I. Mason	2	189
Modeling a well casing for resistivity and induced polarization, J. R. Wait	11	2061
Modified algorithm for the autoregressive recovery of the acoustic impedance, T. J. Ulrych and C. Walker	12	2190
Mosource — A novel simple seismic source, M. H. Safar	10	1798
New three-point formulas for inductive coupling removal in induced polarization, J. H. Coggon	3	307
On-line movies of reflection seismic data with description of a movie machine, R. Ottolini, C. Sword, and J. F. Claerbout	2	195
Positivity of the coincident loop transient electromagnetic response, D. Guptasarma	2	194
Principle of reverse-time migration, S. A. Levin	5	581
Reflection and transmission of viscoelastic waves — Some numerical results, E. S. Krebes	8	1374
Results from open-hole and cased-hole vertical seismic profiles, J. F. Lewkowicz, R. Reischman, and J. J. Walsh	12	2186
Shallow seismic reflection mapping of the overburden-bedrock interface with the engineering seismograph — Some simple techniques, J. A. Hunter, S. E. Pullan, R. A. Burns, R. M. Gagne, and R. L. Good	8	1381
Simulating true amplitude reflections by stacking shot records, P. Hubral	3	303
Simultaneous correction for divergence and deconvolution without changing industrial practice, J. M. Mendel	5	584
Single digital linear filter for computations in electrical methods — A unifying approach, U. C. Das	7	1115
S-wave directivity patterns, W. L. Pilant	6	822
Wave-equation datuming before stack, J. R. Berryhill	11	2064
SH-wave propagation in heterogeneous media: Velocity-stress finite-difference method, J. Virieux	11	1933
Signal/noise separation and velocity estimation, W. S. Harlan, J. F. Claerbout, F. Rocca	11	1869
Signature of an air gun array: Computation from near-field measurements including interactions — Practical considerations, G. E. Parkes, A. Ziolkowski, L. Hatton, and T. Haugland	2	105
Simaan, M., Optimum suppression of coherent signals with linear moveout in seismic data	3	215
Simmons, G., see Wilkens, R.	11	1850
Simple inversion of time-domain electromagnetic data, C. T. Barnett	7	925
Simple objective method for minimizing crossover errors in marine gravity data, R. A. Prince and D. W. Forsyth	7	1070
Simplified prediction of transient electromagnetic response, A. Becker, R. DeCarle, and P. G. Lazenby	7	913
Simulating true amplitude reflections by stacking shot records (Short Note), P. Hubral	3	303
Simulation of inducting logging by the finite-element method, S. K. Chang and B. Anderson	11	1943
Simultaneous correction for divergence and deconvolution without changing industrial practice (Short Note), J. M. Mendel	5	584
Simultaneous inversion modeling of gravity and aeromagnetic data applied to a geothermal study in Utah, L. F. Serpa and K. L. Cook	8	1327
Single digital linear filter for computations in electrical methods — A unifying approach (Short Note), U. C. Das	7	1115
Sinvhal, A., Seismic indicators of stratigraphy	8	1196
Sinvhal, H., see Sinvhal, A.	8	1196
Skibicky, T. V., see Doll, W. E.	7	895
Sobolev, G. A., Tests of piezoelectric and pulsed radio methods for quartz vein and base metal		

	Issue	Page
sulfides prospecting at Giant Yellowknife mine, N.W.T., and Sullivan mine, Kimberley, Canada	12	2178
Soininen, H., Inapplicability of pulse train time-domain measurements to spectral induced polarization (Short Note)	6	826
Soininen, H., The behavior of the apparent resistivity phase spectrum in the case of polarizable prism in an unpolarizable half-space	9	1534
Solution of the fundamental problem in resistivity logging with a hybrid method, L. Tsang, A. K. Chan, and S. Gianzero	10	1596
Somerstein, S. F., Radio-frequency geotomography for remotely probing the interiors of operating mini- and commercial-sized oil-shale retorts	8	1288
Sound speed and attenuation measurements in gassy sediments in the Gulf of Mexico, T. S. Edrington and T. M. Calloway	3	297
Sowerbutts, W. T. C., A microcomputer based system for small-scale geophysical surveys (Short Note)	2	189
Special Issue:		
Time-domain electromagnetic methods of exploration, Foreword and Introduction, M. N. Nabighian, Editor	7	849
Spectral induced-polarization parameters as determined through time-domain measurements, I. M. Johnson	11	1993
Spies, B. R., Limitations of large-loop transient electromagnetic surveys in conductive terrains	7	902
Stable plane-wave decomposition and spherical-wave reconstruction: Applications to converted *S*-mode separation and trace interpolation, J. J. Cabrera and S. Levy	11	1915
Stewart, R. R., Seismic versus sonic velocities: A vertical seismic profiling study	8	1153
Stinson, K., see Oldenburg, D. W.	10	1653
Stockli, R. F., Two-point ray tracing in a three-dimensional medium consisting of homogeneous nonisotropic layers separated by plane interfaces	6	767
Survey design for multicomponent electromagnetic systems, J. C. Macnae	3	265
Sutton, G. R., The effect of velocity variations on the beamwidth of a seismic wave	10	1649
Svennekjaer, M., see Pedersen, L. B.	11	1968
S-wave directivity patterns (Short Note)., W. L. Pilant	6	822
Swift, C. M., Jr., see Tripp, A. C.	10	1708
Sword, C., see Ottolini, R.	2	195
Synthetic electric sounding surveys over known oil fields, N. R. Garg and G. V. Keller	11	1959
Synthetic full waveform acoustic logs in cased boreholes, K. M. Tubman, C. H. Cheng, and M. N. Toksöz	7	1051
Tarantola, A., Inversion of seismic reflection data in the acoustic approximation	8	1259
Tarlowski, C. Z., The use of summary representation for electromagnetic modeling	9	1506
Tatham, R. H., Separation of *S*-wave and *P*-wave reflections offshore western Florida	5	493
Taylor, P. T., see Schnetzler, C. C.	3	282
Temme, P., A comparison of common-midpoint, single-shot, and plane-wave depth migration	11	1896
Tests of piezoelectric and pulsed radio methods for quartz vein and base metal sulfides prospecting at Giant Yellowknife mine, N.W.T., and Sullivan mine, Kimberley, Canada, G. A. Sobolev, V. M. Demin, B. B. Narod, and P. Whaite	12	2178
Thermoelectrical self-potential anomalies and their relationship to the solid angle subtended by the source region, D. V. Fitterman	2	165
Thompson, D. T., see Eggers, D. E.	6	771
Three-dimensional terrain corrections for mise-a-la-masse and magnetometric resistivity surveys, G. L. Oppliger	10	1718
Three-dimensional terrain corrections in resitivity surveys, H. T. Holcombe and G. R. Jiracek	4	439
Time-domain electromagnetic methods of exploration (Special Issue), Foreword and Introduction, M. N. Nabighian	7	849
Time-domain electromagnetic soundings at the Nevada test site, Nevada, F. C. Frischknecht and P. V. Raab	7	981
Time-domain electromagnetic system measuring the step response of the ground, G. F. West, J. C. Macnae and Y. Lamontagne	7	1010
Todd, T. P., see Rafavich, F.	10	1622
Toksöz, M. N., see Tubman, K. M.	7	1051
Toward a three-dimensional automatic interpretation of potential field data via generalized Hilbert transforms, N. M. Nabighian	6	780
Transient electromagnetic response of a magnetic or superparamagnetic ground, T. Lee	7	854
Transient representation of the Sommerfeld-Weyl integral with application to the point source response from a planar acoustic interface, M. Tygel and P. Hubral	9	1495
Traveltime and wavefront curvature calcuations in three-dimensional inhomogeneous layererd media with curved interfaces, H. Gjøystdal, J. E. Reinhardson, and B. Ursin	9	1466
Traveltime inversion of offset vertical seismic profiles — A feasibility study, L. R. Lines, A. Bourgeois, and J. D. Covey	3	250
Traveltime(like) variables and the solution of velocity inverse problems, F. G. Hagin and S. H. Gray	6	758
Tripp, A. C., Two-dimensional resistivity inversion	10	1708
True and apparent spectra of buried polarizable targets, D. Guptasarma	2	171
Tsai, C. J., An analysis leading to the reduction of scattered noise on deep marine seismic records	1	17
Tsang, L., Solution of the fundamental problem in resistivity logging with a hybrid method	10	1596
Tubman, K. M., Synthetic full waveform acoustic logs in cased boreholes	7	1051
Turner, L. G., see Fleischer, R. L.	6	810
Turner, L. G., see Fleischer, R. L.	6	818
Two-dimensional resistivity inversion, A. C. Tripp,		

	Issue	Page
G. W. Hohmann, and C. M. Swift, Jr.	10	1708
Two-point ray tracing in a three-dimensional medium consisting of homogeneous nonisotropic layers separated by plane interfaces, R. F. Stockli	6	767
Two-way nonreflecting wave equation, A, E. Baysal, D. D. Kosloff, and J. W. C. Sherwood	2	132
Tygel, M., Transient representation of the Sommerfeld-Weyl integral with application to the point source response from a planar acoustic interface	9	1495
Ulrych, T. J., On a modified algorithm for the autoregressive recovery of the acoustic impedance (Short Note)	12	2190
Underground oil-shale retort monitoring using geotomography, W. Daily	10	1701
Ursin, B., see Gjøystdal, H.	9	1466
Use of seismic stratigraphy for Minnelusa exploration, northeastern Wyoming, F. D. Raffalovich and T. B. Daw	6	715
Use of summary representation for electromagnetic modeling, C. Z. Tarlowski, A. P. Raiche, and M. Nabighian	9	1506
Velocity analysis based on minimum entropy, D. DeVries and A. J. Berkhout	12	2132
Velocity anisotropy of shales and depth estimation in the North Sea basin, N. C. Banik	9	1411
Vinegar, H. J., Induced polarization of shaly sands	8	1267
Virieux, J., *SH*-wave propagation in heterogeneous media: Velocity-stress finite-difference method	11	1933
Wait, J. R., Electromagnetic response to a discretely grounded circuit (Short Note)	5	577
Wait, J. R., On modeling a well casing for resistivity and induced polarization (Short Note)	11	2061
Walker, C., see Ulrych, T. J.	12	2190
Walsh, J. J., see Lewkowicz, J. F.	12	2186
Wannamaker, P. E., Electromagnetic modeling of three-dimensional bodies in layered earths using integral equations	1	60
Wannamaker, P. E., Magnetotelluric responses of three-dimensional bodies in layered earths	9	1517
Wanted: Authors!	5	683
Ward, S. H., see Wannamaker, P. E.	9	1517
Ward, S. H., see Yang, F. W.	9	1541
Wave-equation datuming before stack (Short Note), J. R. Berryhill	11	2064
Wave equation velocity analysis, A. Gonzalez-Serrano and J. F. Claerbout	9	1432
Waxman, M. H., see Vinegar, H. J.	8	1267
West, G. F., see Holladay, J. S.	2	177
West, G. F., see Hanneson, J. E.	4	411
West, G. F., see Hanneson, J. E.	4	421
West, G. F., see Macnae, J. C.	7	934
West, G. F., see Dyck, A. V.	7	957
West, G. F., A time-domain electromagnetic system measuring the step response of the ground	7	1010
West, G. F., see Boerner, D. E.	11	2057
Whaite, P., see Sobolev, G. A.	12	2178
White, R. S., see Jones, E. J. W.	10	1605
Wiggins, J. W., Kirchhoff integral extrapolation and migration of nonplanar data	8	1239
Wiggins, R., see Jurkevics, A.	12	2109
Wiles, C. J., see Boyd, G. W.	7	949
Wilkens, R., The ratio V_p/V_s as a discriminant of composition for siliceous limestones	11	1850
Won, I. J., The hidden-layer problem revisited (Short Note)	11	2053
Wright, C., A method of determining a preferred *P*-wave velocity profile in a borehole using surface explosions	7	1041
Wright, R. M., see Brown, A. R.	6	686
Yang, F. W., Inversion of borehole normal resistivity logs	9	1541
Yedlin, M. J., see González-Serrano, A.	12	2100
Yilmaz, O., Migration velocity analysis by wavefield extrapolation	10	1664
Zala, C. A., see Barrodale, I.	11	2048
Zhang, G. J., Response of a normal resistivity tool in a borehole crossing a bed boundary	2	142
Ziolkowski, A., see Parkes, G. E.	2	105